

DYNAMIC SAMPLING

ABSTRACT OF THE DISCLOSURE

5 A sampling system adapts the sampling rate for
sampling analog signals and/or the stored number of samples
to the fixed or video image content, such that a higher
rate, and equivalently a larger number of samples, are
acquired for an image or video segment containing higher
spatial frequencies while a lower number of samples (lower
sampling rate) are retained for image or video segments
containing lower spatial frequencies. The Nyquist theorem
may still be satisfied for each individual image segment,
while information necessary for edge enhancement is
retained.